

NMDAR2B RABBIT PAB

货号: N225335

产品全名: NMDAR2B 兔多抗

基因符号 glutamate receptor; ionotropic; N-methyl D-aspartate 2B; MRD6; NR2B; hNR3; GluN2B; NMDAR2B

UNIPROT ID: Q13224

背景: Component of NMDA receptor complexes that function as heterotetrameric, ligand-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Channel activation requires binding of the neurotransmitter glutamate to the epsilon subunit, glycine binding to the zeta subunit, plus membrane depolarization to eliminate channel inhibition by Mg²⁺ (PubMed:8768735, PubMed:26919761, PubMed:26875626, PubMed:28126851). Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:8768735, PubMed:26875626). In concert with DAPK1 at extrasynaptic sites, acts as a central mediator for stroke damage. Its phosphorylation at Ser-1303 by DAPK1 enhances synaptic NMDA receptor channel activity inducing injurious Ca²⁺ influx through them, resulting in an irreversible neuronal death. Contributes to neural pattern formation in the developing brain. Plays a role in long-term depression (LTD) of hippocampus membrane currents and in synaptic plasticity (By similarity).

抗原: Synthetic peptide of human GRIN2B

经过测试的应用: ICC/IF

推荐稀释比: ICC: 1/100-1/200

种属反应性: Rabbit

克隆性: Rabbit Polyclonal

分子量: -

亚型: IgG

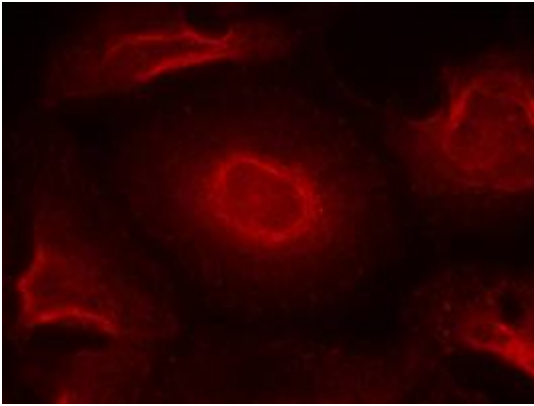
纯化: Affinity Purified

种属反应性: Human, Mouse and Rat

成分: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

研究领域: Neuroscience

储存和运输: Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence analysis of NMDAR2B (red) in Hela cells using NMDAR2B antibody.